

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|------------------------------|------------------|---------|------------------|
| S1 | 307 | 320/129,130,131.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/25 18:30 |
| S2 | 418 | S1 or 205/646.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/25 18:31 |
| S5 | 8 | S2 and sulfation | US-PGPUB; USPAT | OR | ON | 2007/04/25 18:35 |
| S6 | 30 | S2 and sulfat\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S7 | 19 | S6 and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/26 11:06 |
| S8 | 10 | ("3487282" "3510746" "3700997" "3890556" "3936718" "4385269" "5307000").PN. OR ("5701069"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/25 18:56 |
| S9 | 1 | S8 and sulfat\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:01 |
| S10 | 27 | "4871959" | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S11 | 25 | "5084664" | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S12 | 18 | "5276393" | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S13 | 14 | "5491399" | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S14 | 14 | S10 and sulfat\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S15 | 12 | S11 and sulfat\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S16 | 14 | S12 and sulfat\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S17 | 8 | S13 and sulfat\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:03 |
| S18 | 11 | S14 and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:04 |
| S19 | 8 | S15 and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:04 |
| S20 | 9 | S16 and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:04 |
| S21 | 7 | S17 and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:04 |

EAST Search History

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| S22 | 13 | (S18 or S19 or S20 or S21) and second | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:05 |
| S23 | 13 | (S18 or S19 or S20 or S21) and seconds | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:06 |
| S24 | 11 | (S18 or S19 or S20 or S21) and (seconds same current) | US-PGPUB; USPAT | OR | ON | 2007/04/25 19:06 |
| S25 | 14 | "5491399" | US-PGPUB; USPAT | OR | ON | 2007/04/26 10:58 |
| S26 | 307 | 320/129,130,131.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/26 11:06 |
| S27 | 418 | S26 or 205/646.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/26 11:06 |
| S28 | 30 | S27 and sulfat\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/26 11:06 |
| S29 | 5 | S28 and (pulse with current) and (pulse with width) | US-PGPUB; USPAT | OR | ON | 2007/04/26 11:20 |
| S30 | 307 | 320/129,130,131.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/26 11:20 |
| S31 | 418 | S30 or 205/646.ccls. | US-PGPUB; USPAT | OR | ON | 2007/04/26 11:20 |
| S32 | 30 | S31 and sulfat\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/26 11:20 |
| S33 | 19 | S32 and (pulse with current) and (current same (time or seconds)) | US-PGPUB; USPAT | OR | ON | 2007/04/26 12:45 |
| S34 | 2 | "6229287" | US-PGPUB; USPAT | OR | ON | 2007/04/26 12:45 |
| S35 | 6 | "5677075" | US-PGPUB; USPAT | OR | ON | 2007/04/26 12:45 |
| S36 | 1 | S35 and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/26 13:06 |
| S37 | 3 | ("5652497" "5677075").PN. OR ("6730428").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 12:56 |
| S38 | 9 | "5677612" | US-PGPUB; USPAT | OR | ON | 2007/04/26 12:58 |
| S39 | 6 | S38 and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/26 13:12 |
| S40 | 26 | "5063341" | US-PGPUB; USPAT | OR | ON | 2007/04/26 13:12 |
| S41 | 16 | S40 and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/26 14:09 |
| S42 | 1 | S31 and (conductor adj skin) with effect | US-PGPUB; USPAT | OR | ON | 2007/04/26 14:13 |

EAST Search History

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| S44 | 2 | sulfation and (pulse adj width) and battery and ((conductor adj skin) with effect) | US-PGPUB; USPAT | OR | ON | 2007/04/26 14:41 |
| S45 | 0 | ("2006/0065547").URPN. | USPAT | OR | ON | 2007/04/26 14:14 |
| S46 | 2 | sulfation and ((pulse adj width) same (pulse adj current)) and battery | US-PGPUB; USPAT | OR | ON | 2007/04/26 14:15 |
| S47 | 6 | sulfation and ((pulse adj width) and (pulse adj current)) and battery | US-PGPUB; USPAT | OR | ON | 2007/04/26 14:15 |
| S48 | 60 | ("3553561" "3579075" "3586955" "3629681" "3663939" "3816807" "3963976" "4016473" "4183080" "4214198" "4237409" "4246634" "4302714" "4320333" "4355275" "4363005" "4366430" "4371827" "4386308" "4388583" "4388584" "4389608" "4396881" "4513238" "4568869" "4584514" "4609860" "4695784" "4697136" "4750102" "4843299" "4871959" "4882663" "4947124" "4965507" "5049804" "5063341" "5084664" "5172044" "5254951" "5274321" "5276393" "5289102" "5290643" "5291118" "5463304" "5491399" "5525892").PN. OR ("5648714").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 14:40 |
| S50 | 14 | S48 and (pulse adj (width or duration or length)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 14:41 |
| S51 | 31 | (sulfation or desulf\$7) and (pulse adj (width or duration or length)) and battery and (pulse with current) | US-PGPUB; USPAT | OR | ON | 2007/04/26 15:10 |
| S52 | 29 | S51 and charg\$3 | US-PGPUB; USPAT | OR | ON | 2007/04/26 14:42 |
| S53 | 1 | ("2001/0019257").URPN. | USPAT | OR | ON | 2007/04/26 14:47 |

EAST Search History

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| S54 | 15 | ("3748568" "4956597" "5166595" "5200877" "5307001" "5523671" "5744932" "5754028" "5804944" "5808443" "5828202" "5895440" "6037751" "6184650").PN. OR ("6586913").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 14:53 |
| S55 | 10 | ("3487282" "3510746" "3700997" "3890556" "3936718" "4385269" "5307000").PN. OR ("5701069"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 14:58 |
| S56 | 31 | ("3629681" "3761795" "3816807" "3839089" "3963976" "4213080" "4274044" "4390940" "4626093" "4644256" "4695935" "4736150" "4740739" "4786851" "4795537" "4871959" "4878007" "4931367" "5027051" "5043650" "5045769" "5140250" "5250904" "5256957").PN. OR ("RE35643").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:01 |
| S57 | 31 | ("3556849" "3563800" "4550064").PN. OR ("4736150"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:26 |
| S58 | 1 | S57 and (sulfation or desulf\$7) | US-PGPUB; USPAT | OR | ON | 2007/04/26 15:10 |
| S59 | 22 | ("1743594" "3252070" "3487284").PN. OR ("3963976"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:14 |
| S61 | 8 | S59 and (pulse adj (width or duration or length)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:26 |
| S62 | 31 | ("3629681" "3761795" "3816807" "3839089" "3963976" "4213080" "4274044" "4390940" "4626093" "4644256" "4695935" "4736150" "4740739" "4786851" "4795537" "4871959" "4878007" "4931367" "5027051" "5043650" "5045769" "5140250" "5250904" "5256957").PN. OR ("RE35643").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:18 |

EAST Search History

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| S63 | 9 | S62 and (pulse adj (width or duration or length)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:18 |
| S64 | 26 | "5063341" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:26 |
| S65 | 9 | S64 and (pulse adj (width or duration or length)) | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:26 |
| S66 | 3 | S65 and sulf\$5 | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:47 |
| S67 | 4 | "6184650" | US-PGPUB; USPAT; USOCR | OR | ON | 2007/04/26 15:47 |